

## SCHEDULE 11

Regulation 19(2)(b)

### REQUIREMENTS RELATING TO THE LOADING, STOWAGE, UNLOADING AND CLEANING OF CONTAINERS, TANKS AND VEHICLES CARRYING CERTAIN DANGEROUS GOODS

#### **Gases**

1.—(1) This paragraph shall apply where transportable pressure receptacles or packages containing such receptacles contain gases.

(2) Transportable pressure receptacles or packages containing such receptacles shall not be thrown or subjected to impact.

(3) Transportable pressure receptacles shall be stowed in a vehicle or container so that they cannot overturn or fall.

(4) Transportable pressure receptacles—

- (a) which have a capacity not exceeding 150 litres shall be laid parallel to or at right angles to the longitudinal axis of the vehicle or container in which they are being carried, except where they are situated near the forward transverse wall when they shall be laid at right angles to the said axis;
- (b) which are short and of large diameter (not less than 30 centimetres), may be stowed longitudinally with their valve-protecting devices directed towards the middle of the vehicle or container in which they are being carried;
- (c) which are sufficiently stable or are carried in suitable devices effectively preventing them from overturning may be placed upright;
- (d) which are laid flat shall be securely and appropriately wedged, attached or secured so that they cannot shift;
- (e) which contain non-combustible, deeply refrigerated liquefied gases, shall be placed in the position for which they were designed and be protected against any possibility of being damaged by other packages.

#### **Flammable liquids**

2. Where any flammable liquids which have toxic hazardous properties have leaked or have been spilled in a vehicle or container—

- (a) that vehicle or container may not be re-used until after it has been thoroughly cleaned and, if necessary, decontaminated; and
- (b) any other goods and articles carried in the same vehicle or container shall be examined for possible contamination.

3. The provisions of paragraph 2 shall also apply to the goods UN 3064 NITROGLYCERIN, SOLUTION IN ALCOHOL.

#### **Flammable solids**

4.—(1) Packages containing flammable solids shall be loaded so that a free circulation of air within the loading space provides a uniform temperature of the load.

(2) Where the contents of a vehicle or container exceed 5000 kg of flammable solids, the load shall be divided into stacks of not more than 5000 kg separated by air spaces of at least 0.05 m.

5. Packages containing any of the following goods shall be stored in cool, well-ventilated places away from heat sources—

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UN 3242	AZODICARBONAMIDE
UN 2956	5-TERT-BUTYL-2,4,6-TRINITRO-M-XYLENE (MUSK-XYLENE)
UN 3251	ISOSORBIDE-5-MONONITRATE

**6.—(1)** Packages containing the goods SELF-REACTIVE SUBSTANCES REQUIRING TEMPERATURE CONTROL—

- (a) shall not be placed on top of other goods; and
- (b) shall be so stowed as to be readily accessible.

(2) The control temperature for the goods referred to in sub-paragraph (1) above shall be maintained during the whole transport operation, including loading and unloading, as well as any intermediate stops.

#### **Substances which in contact with water emit flammable gas**

7. Where packages containing substances which in contact with water emit flammable gases are being handled, special measures shall be taken to prevent them from coming into contact with water.

#### **Oxidizing substances**

8. Where oxidizing substances are being carried in vehicles or containers, the use of readily flammable materials for stowing packages is prohibited.

#### **Organic peroxides**

9.—(1) Vehicles and containers intended for the carriage of packages containing organic peroxides shall be carefully cleaned.

(2) The use of readily combustible materials for stowing packages containing organic peroxides is prohibited.

(3) Packages containing organic peroxides shall be loaded so that a free circulation of air within the loading space provides a uniform temperature of the load.

(4) Where the contents of a vehicle or container exceed 5,000 kg of organic peroxides, the load shall be divided into stacks of not more than 5,000 kg separated by air spaces of at least 0.05 m.

**10.—(1)** Packages containing the goods ORGANIC PEROXIDES REQUIRING TEMPERATURE CONTROL

- (a) shall not be placed on top of other goods; and
- (b) shall be stowed as to be readily accessible.

(2) The specified control temperature of the goods referred to in sub-paragraph (1) above shall be maintained during the whole transport operation, including loading and unloading, as well as any intermediate stops.

#### **Toxic substances**

11. Where toxic substances have leaked or have been spilled in a vehicle or container—

- (a) that vehicle or container may not be re-used until it has been thoroughly cleaned and, if necessary, decontaminated; and

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- (b) all other goods and articles carried in the same vehicle shall be examined for possible contamination.

**12.—(1)** A vehicle which has been contaminated with any of the following goods, or with a mixture thereof, shall not be put back into service until it has been decontaminated under the supervision of a competent person.

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UN 1649	MOTOR FUEL ANTI-KNOCK MIXTURE (TETRAETHYL LEAD)
UN 1649	MOTOR FUEL ANTI-KNOCK MIXTURE (TETRAMETHYL LEAD)

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(2) Any wooden parts of a vehicle which have been attacked by any of the goods referred to in sub-paragraph (1) above shall be removed and burnt.

### Infectious substances

**13.—(1)** Packages containing infectious substances shall be stowed so that they are readily accessible.

(2) Where packages containing infectious substances are to be carried at ambient temperature of not more than 15°C or refrigerated, the temperature shall be maintained during unloading or in transit storage.

(3) Packages containing infectious substances shall be kept only in cool places away from sources of heat.

(4) Where infectious substances have leaked and been spilled in a vehicle or container—

- (a) that vehicle or container may not be re-used until after it has been thoroughly cleaned and, if necessary, disinfected;
- (b) all goods and articles carried in such a vehicle shall be checked for possible contamination; and
- (c) any wooden parts of the vehicle which have come into contact with infectious substances of risk groups 3 or 4 shall be removed and burnt.

**14.** The following goods shall be loaded in tanks or in specially equipped vehicles in a manner which avoids risks to humans, animals and the environment, for example by carrying in bags or by airtight connections.

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UN 3291	CLINICAL WASTE, UNSPECIFIED, N.O.S. OR MEDICAL WASTE, N.O.S. OR REGULATED MEDICAL WASTE, N.O.S.
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### Corrosive substances

**15.** Where a package containing a corrosive substance has leaked or has been spilled in a vehicle—

- (a) the packaging of that package may not be re-used until after it has been thoroughly cleaned and, if necessary, decontaminated; and
- (b) all other goods and articles carried in the same vehicle shall be examined for possible contamination.

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16. Vehicles intended to carry packages containing any of the following goods shall be carefully cleaned and any combustible waste such as straw, hay or paper removed.

UN 2032	NITRIC ACID, RED FUMING
UN 1796	NITRATING ACID, MIXTURE OF PACKING GROUP I
UN 1826	NITRATING ACID, MIXTURES, SPENT OF PACKING GROUP I
UN 1802	PERCHLORIC ACID
UN 3084	CORROSIVE SOLID, OXIDIZING, N.O.S.*
UN 3093	CORROSIVE SOLID, OXIDIZING, N.O.S.*

**Miscellaneous dangerous goods**

17.—(1) Packages containing the goods UN 3245 GENETICALLY MODIFIED MICRO-ORGANISMS shall be—

- (a) so stowed that they are readily accessible; and
- (b) kept only in cool places away from sources of heat.

(2) Where packages containing the goods referred to in sub-paragraph (1) above are to be carried refrigerated, the temperature shall be maintained during unloading or in transit storage.

(3) Where these goods have escaped and contaminated a vehicle—

- (a) that vehicle may not be re-used until after it has been thoroughly cleaned and, if necessary, disinfected;
- (b) all goods and articles carried in such a vehicle shall be checked for possible contamination; and
- (c) any wooden parts of a vehicle which have come into contact with genetically modified micro-organisms shall be removed and incinerated.

18. Where dangerous goods, other than genetically modified micro-organisms and any other miscellaneous dangerous goods specified in this Schedule, have leaked and been spilled in a vehicle or container—

- (a) that vehicle or container may not be re-used until after it has been thoroughly cleaned and, if necessary, disinfected; and
- (b) all goods and articles carried in the same vehicle shall be checked for possible contamination.